

Converting Colors

XYZ(50.4012, 66.5482, 80.1457)

Have a look what the booklet for
XYZ(50.4012, 66.5482, 80.1457)
contains.

XYZ(50.3685, 66.4334, 79.9803)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.3685, 66.4334,
79.9803)**

Conversions

Conversions Part 1

Format	Color
Hex	7FE6DF
RGB	127, 230, 223
RGB Percent	50%, 90%, 87%
CMY	0.5019, 0.0980, 0.1255
CMYK	0.45, 0.00, 0.03, 0.10
HSL	176°, 67%, 70%
HSV	176°, 45%, 90%
XYZ	50.3685, 66.4334, 79.9803
YIQ	198.4050, -59.1410, -24.0130

Conversions

Conversions Part 2

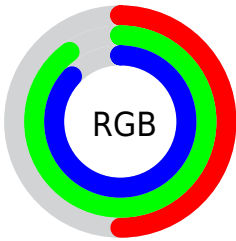
Format	Color
RYB	127, 180, 230
Decimal	8382175
CIELab	85.22, -31.66, -5.94
CIELCh	85, 32.217, 190.632
Yxy	66.4334, 0.2560, 0.3376
Android (android.graphics.Color)	4286572255 (0xFF7FE6DF)
YUV	198.4050, 12.1253, -62.6222
Hunter-Lab	81.5067, -32.3295, -1.1250

Details

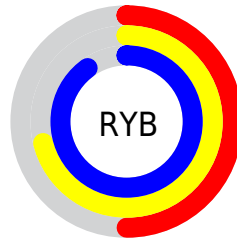
The XYZ color **50.3685, 66.4334, 79.9803** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.5278, 33.7249, 26.7193**, and the grayscale version is **53.8789, 56.6847, 61.7297**.

A 20% lighter version of the original color is **73.8176, 89.0543, 107.9063**, and **24.5187, 34.2925, 42.3726** is the 20% darker color. If you saturate the color by 10%, you get **47.1169, 64.7830, 78.7340**, and if you desaturate by 10%, it is **54.4078, 68.4929, 81.2765**.

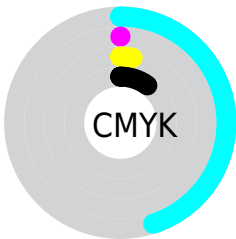
Distribution



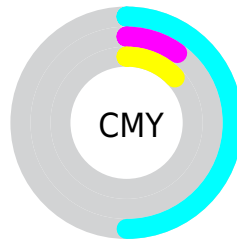
- Red (50%)
- Green (90%)
- Blue (87%)



- Red (50%)
- Yellow (71%)
- Blue (90%)



- Cyan (45%)
- Magenta (0%)
- Yellow (3%)
- Black (10%)



- Cyan (50%)
- Magenta (10%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3685, 66.4334, 79.9803 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 50.3685, 66.4334, 79.9803 by changing the saturation by 10% instead.


 50.3685, 66.4334,
79.9803


 50.3685, 66.4334,
79.9803


378.5335,
447.9253, 514.5715


 35.9253, 48.6243,
59.1761


 89.9092, 114.1082,
135.1492

 24.5463, 34.3216,
42.3339


 115.7374,
144.7426, 170.3509

 15.8663, 23.1407,
29.0353


 146.0912,
180.4210, 211.1889

 9.5198, 14.6975,
18.8617

181.3361,
221.5276, 258.0817

 5.1416, 8.6073,
11.3946

221.8375,
268.4470, 311.4478

 2.3662, 4.4860,
6.2154

267.9606,

 0.8282, 1.9489,

321.5635, 371.7057

2.9056

320.0708,
381.2614, 439.2741

■ 0.0000, 0.5776,
1.0466

■ 0.0000, 0.0000,
0.0000

■ 50.3685, 66.4334,
79.9803

■ 50.3685, 66.4334,
79.9803

■ 47.1169, 64.7830,
78.7340

■ 54.4078, 68.4929,
81.2765

■ 44.5932, 63.5060,
77.5305


■ 59.2778, 70.9787,
82.6203


■ 42.7386, 62.5737,
76.3684


■ 65.0252, 73.9167,
84.0154


■ 41.4826, 61.9498,
75.2444


■ 71.6917, 77.3283,
85.4638


 40.7389, 61.5898,
74.1544


 79.3164, 81.2335,
86.9673

 40.4825, 61.4697,
73.5958

 84.1580, 83.7039,
88.3508

 84.3816, 83.7933,
89.5285

 84.6073, 83.8836,
90.7167

 84.8349, 83.9746,
91.9154

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.8444, 66.4334, 59.8455



50.3685, 66.4334, 79.9803



53.1109, 66.4334, 101.6841

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



50.3685, 66.4334, 79.9803



72.6970, 66.4334, 107.1961



67.8966, 66.4334, 40.7408

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50.3685, 66.4334, 79.9803



44.5278, 33.7249, 26.7193

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.3648, 66.4334, 49.2576



50.3685, 66.4334, 79.9803



77.2802, 66.4334, 86.4507

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



50.3685, 66.4334, 79.9803



65.7590, 66.4334, 119.2843



77.9130, 66.4334, 65.1925



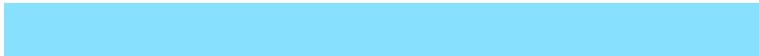
60.5972, 66.4334, 39.6731

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.3685, 66.4334, 79.9803



56.5282, 66.4334, 113.1656



77.9130, 66.4334, 65.1925



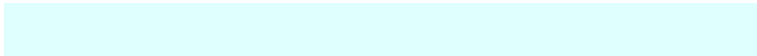
70.2545, 66.4334, 42.7376

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50.3704, 66.4360, 79.9818



83.5275, 94.1016, 106.4778



42.2154, 63.3280, 30.0786



17.5027, 19.9495, 22.7051



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.3704, 66.4360, 79.9818



59.7156, 81.9544, 99.5697



40.8254, 45.8035, 81.5551



14.7629, 16.3186, 18.2823



22.9365, 34.8067, 41.7616



1.7077, 2.5772, 3.1535

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



44.5278, 33.7249, 26.7193



51.4450, 35.5761, 24.1186



50.8253, 47.0758, 26.4878



14.4165, 14.3838, 15.1279



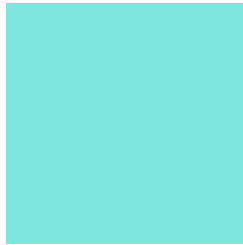
18.5422, 9.5511, 1.2184



1.3842, 0.7114, 0.1639

Previews

White Background



This preview shows how the XYZ color 50.3685, 66.4334, 79.9803 looks on a white background.

Color Contrast Check

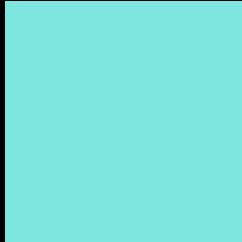
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 50.3685, 66.4334, 79.9803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

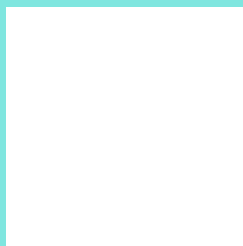
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.3685, 66.4334, 79.9803

Background



This preview shows how black text looks on a background with the XYZ color 50.3685, 66.4334, 79.9803.

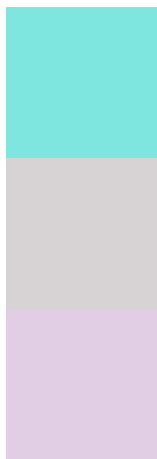


This preview shows how white text looks on a background with the XYZ color 50.3685, 66.4334,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

50.3685, 66.4334, 79.9803

Protanopia

63.2023, 65.7891, 71.6548

Deuteranopia

67.1262, 65.7516, 82.5522



Tritanopia

53.7820, 66.5991, 96.4065

Trichromacy



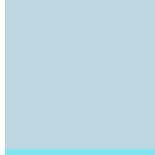
Original Color

50.3685, 66.4334, 79.9803



Protanomaly

56.9945, 65.1680, 74.5405



Deuteranomaly

59.0142, 64.9107, 81.3701



Tritanomaly

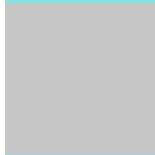
52.3895, 66.4265, 90.1811

Monochromacy



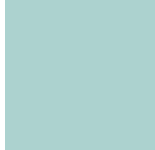
Original Color

50.3685, 66.4334, 79.9803



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.3223, 59.3688, 67.7858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3685, 66.4334, 79.9803 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(127, 230, 223)` looks like.

```
.text, #text, p{  
    color:rgb(127, 230, 223)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(127, 230, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 230, 223) }
```

Border

The CSS property to change the border of an element to XYZ 50.3685, 66.4334, 79.9803 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 230, 223) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(127, 230, 223) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(127, 230, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 230, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 230, 223);  
box-shadow:4px 4px 4px 4px rgb(127, 230,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3685, 66.4334, 79.9803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 230, 223) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(127,  
230, 223) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor